INORGANIC DATA VALIDATION REPORT

To: EPA Region 9
Validated by: Diane Quigley, Weston Solutions, Inc.
Report Date: August 12, 2015
Project/Site: Gold King Mine Emergency Response
Laboratory No: 680-115432-1 & 680-115432-2

This memo presents the inorganic data validation report for the data obtained during the field activities for the above referenced work assignment. The purpose of this review is to provide a Stage 2A validation of the following samples collected on August 9, 2015 and analyzed by TestAmerica Laboratories, Inc. located in Savannah, GA:

Field Sample Numbers	Laboratory ID	Analyses/Methods
SJBB-080915-11	680-115432-1	TAL Metals plus Mo by EPA 200.7 and 200.8 Mercury by EPA 245.1 Hardness (calculation) by SM2340B TSS by SM2540D TDS by SM2540C Alkalinity by SM2320B pH by SM4500H+B
SJMH-080915-11	680-115432-2	
SJMC-080915-11	680-115432-3	
SJDS-080915-11	680-115432-4	
SJSR-080915-11	680-115432-5	
SJ4C-080915-11	680-115432-6	
SFPH-080915-11	680-115432-7	
SJHB-080915-11	680-115432-8	
SJLP-080915-11	680-115432-9	
MECT-080915-11	680-115432-10	
SJME-080915-11	680-115432-11	
SJME-080915-12	680-115432-12	

Mo = Molybdenum
SM = Standard Methods for the Evaluation of Water & Wastewater
TAL = Target Analyte List
TDS = Total Dissolved Solids
TSS = Total Suspended Solids

Data validation was conducted in accordance with the EPA National Functional Guidelines for Inorganic Superfund Analyses (NFG), August 2014; Test Methods for Evaluating Solid Wastes, SW-846, 3rd Edition and Updates; and appropriate EPA methods.

Stage 2A validation was performed on the sample results. The data were evaluated based on the following parameters:

*	Data Completeness
	Holding Times, Sample Preservation and Receipt
*	Laboratory Blanks
NA	Field Blanks
	Matrix Spike/Matrix Spike Duplicates
*	Laboratory Duplicate Samples
*	Laboratory Control Samples (Blank Spikes)
*	Total vs. Dissolved Metals Results Evaluation
	Field Duplicates
	Sample Dilutions and Detection Limits

□	**All criteria were met for this parameter**
NA	**Not applicable**

Data Completeness

The Level 2 data package was complete and included a case narrative, sample results, batch quality control (QC) results, QC association summary, Chain-of-Custody forms, and a sample receipt condition form. Raw data is not required for a Level 2 data package.

Holding Times, Sample Preservation and Receipt

Surface water samples were analyzed for pH 2 days after sampling. Results for pH were flagged by the lab with an "HF" which indicates the samples were analyzed out of the 15 minute field holding time. The pH results for water samples were estimated (J) since they were analyzed past the recommended holding time. All other holding times were met.

The samples were received within the recommended ≤6 degrees Celsius NFG QC limit. No shipping or receiving problems were noted.

Laboratory Blanks

The method blanks (MB) were analyzed at the required frequency. No contaminants were found in these blanks with the following exception:

The ICP-AES total metals MB 680-395507/1-A was contaminated with selenium at a concentration ≥ method detection limit (MDL) and ≤ reporting limit (RL). Sample data was qualified in the following samples due to method blank contamination:

> Total selenium was reported as non-detected (U) at the RL for the following samples since the selenium results were ≥ MDL and ≤ RL: 680-115432-9 through -12

Field Blanks

No field blanks were submitted with these samples.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed (on sample SJBB-080915-11) for all analyses except alkalinity, TSS, and TDS. No MS/MSDs were analyzed for hardness. An MS and MSD were also performed for total and dissolved mercury on sample SJLP-080915-11.

Spike recoveries met the 75-125 percent recovery (%R) metals criteria and the 20 Relative Percent Difference (RPD) criteria from the NFG except for the following:

- Several total analyte spike recoveries (aluminum, barium, calcium, iron, manganese, magnesium, potassium, and sodium) for sample SJBB-080915-11 and SJLP-080915-11 were outside QC limits in the MS and MSD. Since the laboratory qualified these results with a "4" indicating the parent sample concentrations were greater than four times the spiked amount, no qualifications are necessary. Antimony (16/17%), molybdenum (57/55%) and zinc (-/67%) were recovered below QC limits in sample SJBB-080915-11 (associated samples 680-115432-1 through -8). The positive results for antimony, molybdenum and zinc were estimated (J-) in associated samples associated samples 680-115432-1 through -8 due to potential low bias; the quantitation limits for non-detected results were flagged "UJ" as estimated. Antimony (37/39%) and zinc (-/65%) recovered below QC limits in sample SJLP-080915-11 (assoc. samples 690-115432-9 through -12). The positive results for total antimony and zinc were estimated (J-) in associated samples 690-115432-9 through -12 due to potential low bias.
- Dissolved calcium, magnesium, and sodium were outside QC limits in the MS and MSD for sample SJBB-080915-11. Since the laboratory qualified these results with a "4" indicating the parent sample concentrations were greater than four times the spiked amount, no qualifications are necessary.

Laboratory Duplicate Samples

Total metals and alkalinity laboratory duplicate analyses were performed on surface water samples SJBB-080915-11 and SJLP-080915-11. A total alkalinity laboratory duplicate was also performed on sample SJ4C-080915-11. A TSS duplicate was performed on sample MECT-080915-11. A TDS lab duplicate was performed on samples SJBB-080915-11 and SJME-080915-11.

Duplicate precision criteria were met for laboratory duplicate sample results greater than five times the RL. RPDs were less than 20% for aqueous samples. For sample results less than five times the RL, the absolute difference between the laboratory duplicate and the original sample was less than the RL. Barium (RPD 28) did exceed the RPD criteria of 20 in total laboratory duplicate SJLP-080915-11. Professional judgment was used in not qualifying data due to the high barium concentration.

Laboratory Control Samples (Blank Spikes)

At least one laboratory control sample (LCS) analysis was analyzed per QC batch and, for some analyses, a duplicate LCS (LCSD) was also analyzed. All LCS analyte recoveries were within 70-130%R NFG control limit for metals and mercury and within the 20% RPD NFG control limit for metals and mercury. Recoveries were within the lab control limits for wet chemistry parameters.

Total vs. Dissolved Metals Results Evaluation

Total Metals results were greater than the Dissolved Metals results and/or within the 10 percent difference (%D) QC limits for all metals analytes except for the following:

Sample ID	Analyte	Total Conc.	Dissolved Conc.	%D	Qualifier
SJMH-080915-11	Mo	1.7 µg/L	2.4 µg/L	41%	J
SJSR-080915-11	Mo	1.3µg/L	1.5 µg/L	15%	J
SJHB-080915-11	Mo	1.1 µg/L	1.5 µg/L	36 %	J
SJME-080915-11	Mo	1.7 µg/L	2.1 µg/L	23 %	J
SJME-080915-12	Mo	1.4 µg/L	2.1 µg/L	43 %	J

Sample results were qualified as indicated above.

Field Duplicates

Samples SJME-080915-11 and SJME-080915-12 are field duplicates and all calculated %RPDs were less than 30% with the following exceptions: dissolved aluminum (56%) and dissolved iron (54%). These two analytes were estimated (J) in samples SJME-080915-11 and SJME-080915-12; direction of bias uncertain.

Sample Dilution and Detection Limits

The laboratory correctly "J" flagged results less than the reporting limits. The data validator retained the J qualifier unless the analyte was qualified as non-detected for blank contamination.

Sample SJMH-080915-11 was diluted 10 fold for total potassium. Total metals sample SJBB-080915-11, SJMC-080915-11, SJDS-080915-11, SJSR-080915-11, SJ4C-080915-11, SJFP-080915-11,and SJHB-080915-11 were diluted two fold for cadmium, SJMH-080915-11 was diluted five fold for barium, cadmium and nickel.

Raw data were not provided or evaluated for this Level 2 package to verify results and analytical dilution.

DATA QUALIFIER DEFINITIONS

For the purpose of Data Validation, the following code letters and associated definitions are provided for use by the data validator to summarize the data quality.

R - Reported value is "rejected." Resampling or reanalysis may be necessary to verify the presence or absence of the compound.

J - The associated numerical value is an estimated quantity because the Quality Control criteria were not met.

J+ - The associated numerical value is estimated with a high bias because the Quality Control criteria were not met.

J- - The associated numerical value is estimated with a low bias because the Quality Control criteria were not met.

UJ - The reported quantitation limit is estimated because Quality Control criteria were not met. Element or compound was not detected.

U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

NR - Result was not used from a particular sample analysis. This typically occurs when more than one result for an element is reported due to dilutions and reanalyses.

ATTACHMENT
RESULTS SUMMARY SHEETS WITH QUALIFIERS

Client Sample ID: SJBB-080915-11

Lab Sample ID: 680-115432-1

Date Collected: 08/09/15 18:25

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**53000**		200	24	ug/L		08/11/15 12:52	08/11/15 21:45	1
Calcium	**130000**		500	25	ug/L		08/11/15 12:52	08/11/15 21:45	1
Iron	**43000**		50	17	ug/L		08/11/15 12:52	08/11/15 21:45	1
Magnesium	**26000**		500	33	ug/L		08/11/15 12:52	08/11/15 21:45	1
Potassium	**13000**		1000	17	ug/L		08/11/15 12:52	08/11/15 21:45	1
Sodium	**35000**		1000	480	ug/L		08/11/15 12:52	08/11/15 21:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:26	1
Calcium, Dissolved	**57000**		500	25	ug/L		08/11/15 12:52	08/11/15 20:26	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:26	1
Potassium, Dissolved	**3400**		1000	17	ug/L		08/11/15 12:52	08/11/15 20:26	1
Magnesium, Dissolved	**8000**		500	33	ug/L		08/11/15 12:52	08/11/15 20:26	1
Sodium, Dissolved	**31000**		1000	480	ug/L		08/11/15 12:52	08/11/15 20:26	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	**430**		3.3	3.3	mg/L			08/11/15 21:45	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:36	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 19:56	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.10**	~~HF~~ J			SU			08/11/15 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**110**		5.0	5.0	mg/L			08/11/15 18:38	1
Total Suspended Solids	**430**		33	33	mg/L			08/11/15 11:35	1
Total Dissolved Solids	**310**		10	10	mg/L			08/11/15 14:33	1

DF 8/12/15

TestAmerica Savannah

Client Sample ID: SJMH-080915-11
Date Collected: 08/09/15 19:05
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-2
Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**180000**		200	24	ug/L		08/11/15 12:52	08/11/15 22:22	1
Calcium	**480000**		500	25	ug/L		08/11/15 12:52	08/11/15 22:22	1
Iron	**85000**		50	17	ug/L		08/11/15 12:52	08/11/15 22:22	1
Magnesium	**95000**		500	33	ug/L		08/11/15 12:52	08/11/15 22:22	1
Potassium	**46000**		10000	170	ug/L		08/11/15 12:52	08/12/15 10:02	10
Sodium	**58000**		1000	480	ug/L		08/11/15 12:52	08/11/15 22:22	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:45	1
Calcium, Dissolved	**56000**		500	25	ug/L		08/11/15 12:52	08/11/15 20:45	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:45	1
Potassium, Dissolved	**4400**		1000	17	ug/L		08/11/15 12:52	08/11/15 20:45	1
Magnesium, Dissolved	**8500**		500	33	ug/L		08/11/15 12:52	08/11/15 20:45	1
Sodium, Dissolved	**44000**		1000	480	ug/L		08/11/15 12:52	08/11/15 20:45	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	**1600**		3.3	3.3	mg/L			08/11/15 22:22	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:55	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12	HF			SU			08/11/15 18:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**110**		5.0	5.0	mg/L			08/11/15 18:44	1
Total Suspended Solids	**8200**		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	**260**		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

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Client Sample ID: SJMC-080915-11
Date Collected: 08/09/15 17:50
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-3
Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	46000		200	24	ug/L		08/11/15 12:52	08/11/15 22:27	1
Calcium	97000		500	25	ug/L		08/11/15 12:52	08/11/15 22:27	1
Iron	38000		50	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Magnesium	21000		500	33	ug/L		08/11/15 12:52	08/11/15 22:27	1
Potassium	11000		1000	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Sodium	32000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:27	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	28	J	200	24	ug/L		08/11/15 12:52	08/11/15 20:50	1
Calcium, Dissolved	57000		500	25	ug/L		08/11/15 12:52	08/11/15 20:50	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Potassium, Dissolved	3000		1000	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Magnesium, Dissolved	8200		500	33	ug/L		08/11/15 12:52	08/11/15 20:50	1
Sodium, Dissolved	30000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:50	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	330		3.3	3.3	mg/L			08/11/15 22:27	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:58	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:17	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.14	HF J			SU			08/11/15 18:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	100		5.0	5.0	mg/L			08/11/15 18:51	1
Total Suspended Solids	3300		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	160		10	10	mg/L			08/11/15 14:33	1

8/12/15

TestAmerica Savannah

Client Sample ID: SJDS-080915-11

Date Collected: 08/09/15 13:15
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-4

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	31000		200	24	ug/L		08/11/15 12:52	08/11/15 22:32	1
Calcium	72000		500	25	ug/L		08/11/15 12:52	08/11/15 22:32	1
Iron	31000		50	17	ug/L		08/11/15 12:52	08/11/15 22:32	1
Magnesium	14000		500	33	ug/L		08/11/15 12:52	08/11/15 22:32	1
Potassium	8100		1000	17	ug/L		08/11/15 12:52	08/11/15 22:32	1
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:32	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1400		200	24	ug/L		08/11/15 12:52	08/11/15 20:54	1
Calcium, Dissolved	54000		500	25	ug/L		08/11/15 12:52	08/11/15 20:54	1
Iron, Dissolved	1000		50	17	ug/L		08/11/15 12:52	08/11/15 20:54	1
Potassium, Dissolved	2800		1000	17	ug/L		08/11/15 12:52	08/11/15 20:54	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 20:54	1
Sodium, Dissolved	24000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:54	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	240		3.3	3.3	mg/L			08/11/15 22:32	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:01	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:20	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07	HF J			SU			08/11/15 18:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L			08/11/15 18:58	1
Total Suspended Solids	2100		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	160		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJSR-080915-11

Lab Sample ID: 680-115432-5

Date Collected: 08/09/15 12:35
Date Received: 08/11/15 09:39

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	43000		200	24	ug/L		08/11/15 12:52	08/11/15 22:36	1
Calcium	74000		500	25	ug/L		08/11/15 12:52	08/11/15 22:36	1
Iron	40000		50	17	ug/L		08/11/15 12:52	08/11/15 22:36	1
Magnesium	16000		500	33	ug/L		08/11/15 12:52	08/11/15 22:36	1
Potassium	9700		1000	17	ug/L		08/11/15 12:52	08/11/15 22:36	1
Sodium	29000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:36	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1800		200	24	ug/L		08/11/15 12:52	08/11/15 21:08	1
Calcium, Dissolved	51000		500	25	ug/L		08/11/15 12:52	08/11/15 21:08	1
Iron, Dissolved	1300		50	17	ug/L		08/11/15 12:52	08/11/15 21:08	1
Potassium, Dissolved	2900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:08	1
Magnesium, Dissolved	6500		500	33	ug/L		08/11/15 12:52	08/11/15 21:08	1
Sodium, Dissolved	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:08	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	250		3.3	3.3	mg/L			08/11/15 22:36	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:04	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.11	HF J			SU			08/11/15 19:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	95		5.0	5.0	mg/L			08/11/15 19:05	1
Total Suspended Solids	1600		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	320		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJ4C-080915-11
Date Collected: 08/09/15 15:31
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-6
Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	33000		200	24	ug/L		08/11/15 12:52	08/11/15 22:41	1
Calcium	87000		500	25	ug/L		08/11/15 12:52	08/11/15 22:41	1
Iron	35000		50	17	ug/L		08/11/15 12:52	08/11/15 22:41	1
Magnesium	17000		500	33	ug/L		08/11/15 12:52	08/11/15 22:41	1
Potassium	9300		1000	17	ug/L		08/11/15 12:52	08/11/15 22:41	1
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:41	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:13	1
Calcium, Dissolved	55000		500	25	ug/L		08/11/15 12:52	08/11/15 21:13	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:13	1
Potassium, Dissolved	2800		1000	17	ug/L		08/11/15 12:52	08/11/15 21:13	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:13	1
Sodium, Dissolved	24000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:13	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	290		3.3	3.3	mg/L			08/11/15 22:41	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:07	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:27	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08	HF			SU			08/11/15 19:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	88		5.0	5.0	mg/L			08/11/15 19:12	1
Total Suspended Solids	2000		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	140		10	10	mg/L			08/11/15 14:33	1

8/12/15

TestAmerica Savannah

Client Sample ID: SJFP-080915-11
Date Collected: 08/09/15 10:15
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-7
Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000		200	24	ug/L		08/11/15 13:06	08/11/15 22:45	1
Calcium	64000		500	25	ug/L		08/11/15 13:06	08/11/15 22:45	1
Iron	22000		50	17	ug/L		08/11/15 13:06	08/11/15 22:45	1
Magnesium	13000		500	33	ug/L		08/11/15 13:06	08/11/15 22:45	1
Potassium	7300		1000	17	ug/L		08/11/15 13:06	08/11/15 22:45	1
Sodium	22000		1000	480	ug/L		08/11/15 13:06	08/11/15 22:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:17	1
Calcium, Dissolved	50000		500	25	ug/L		08/11/15 12:52	08/11/15 21:17	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:17	1
Potassium, Dissolved	2300		1000	17	ug/L		08/11/15 12:52	08/11/15 21:17	1
Magnesium, Dissolved	6500		500	33	ug/L		08/11/15 12:52	08/11/15 21:17	1
Sodium, Dissolved	20000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:17	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	210		3.3	3.3	mg/L			08/11/15 22:45	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:10	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:30	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.03	HF J			SU			08/11/15 19:31	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	93		5.0	5.0	mg/L			08/11/15 19:31	1
Total Suspended Solids	1100		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	240		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJHB-080915-11
Date Collected: 08/09/15 11:31
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-8
Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	35000		200	24	ug/L		08/11/15 13:06	08/11/15 22:59	1
Calcium	81000		500	25	ug/L		08/11/15 13:06	08/11/15 22:59	1
Iron	31000		50	17	ug/L		08/11/15 13:06	08/11/15 22:59	1
Magnesium	16000		500	33	ug/L		08/11/15 13:06	08/11/15 22:59	1
Potassium	9200		1000	17	ug/L		08/11/15 13:06	08/11/15 22:59	1
Sodium	24000		1000	480	ug/L		08/11/15 13:06	08/11/15 22:59	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	330		200	24	ug/L		08/11/15 12:52	08/11/15 21:22	1
Calcium, Dissolved	52000		500	25	ug/L		08/11/15 12:52	08/11/15 21:22	1
Iron, Dissolved	220		50	17	ug/L		08/11/15 12:52	08/11/15 21:22	1
Potassium, Dissolved	2500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:22	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:22	1
Sodium, Dissolved	22000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:22	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	270		3.3	3.3	mg/L			08/11/15 22:59	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:13	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:33	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12	HF			SU			08/11/15 19:38	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	94		5.0	5.0	mg/L			08/11/15 19:38	1
Total Suspended Solids	2200		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	310		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

Client Sample ID: SJLP-080915-11

Date Collected: 08/09/15 09:54
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-9

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25000**		200	24	ug/L		08/11/15 13:33	08/11/15 23:18	1
Calcium	**72000**		500	25	ug/L		08/11/15 13:33	08/11/15 23:18	1
Iron	**24000**		50	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Magnesium	**13000**		500	33	ug/L		08/11/15 13:33	08/11/15 23:18	1
Potassium	**7600**		1000	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Sodium	**20000**		1000	480	ug/L		08/11/15 13:33	08/11/15 23:18	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:27	1
Calcium, Dissolved	**51000**		500	25	ug/L		08/11/15 12:52	08/11/15 21:27	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:27	1
Potassium, Dissolved	**2400**		1000	17	ug/L		08/11/15 12:52	08/11/15 21:27	1
Magnesium, Dissolved	**6600**		500	33	ug/L		08/11/15 12:52	08/11/15 21:27	1
Sodium, Dissolved	**19000**		1000	480	ug/L		08/11/15 12:52	08/11/15 21:27	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	**230**		3.3	3.3	mg/L			08/11/15 23:18	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:28	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:06	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10	~~HF~~ J			SU			08/11/15 19:46	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	**92**		5.0	5.0	mg/L			08/11/15 19:46	1
Total Suspended Solids	**1600**		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	**280**		10	10	mg/L			08/11/15 14:33	1

DRB 8/12/15

TestAmerica Savannah

Client Sample ID: MECT-080915-11

Date Collected: 08/09/15 14:05
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-10

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		200	24	ug/L		08/11/15 13:33	08/11/15 23:36	1
Calcium	190000		500	25	ug/L		08/11/15 13:33	08/11/15 23:36	1
Iron	7600		50	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Magnesium	73000		500	33	ug/L		08/11/15 13:33	08/11/15 23:36	1
Potassium	8100		1000	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Sodium	67000		1000	480	ug/L		08/11/15 13:33	08/11/15 23:36	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	62	J	200	24	ug/L		08/11/15 12:52	08/11/15 21:31	1
Calcium, Dissolved	160000		500	25	ug/L		08/11/15 12:52	08/11/15 21:31	1
Iron, Dissolved	17	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Potassium, Dissolved	5400		1000	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Magnesium, Dissolved	68000		500	33	ug/L		08/11/15 12:52	08/11/15 21:31	1
Sodium, Dissolved	67000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:31	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	780		3.3	3.3	mg/L			08/11/15 23:36	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:37	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:19	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.26	~~HF~~ J			SU			08/12/15 07:04	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	210		5.0	5.0	mg/L			08/12/15 07:04	1
Total Suspended Solids	620		33	33	mg/L			08/11/15 13:06	1
Total Dissolved Solids	1000		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJME-080915-11
Date Collected: 08/09/15 16:35
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-11
Matrix: Water

validated

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	59000		200	24	ug/L		08/11/15 13:33	08/12/15 00:00	1
Calcium	130000		500	25	ug/L		08/11/15 13:33	08/12/15 00:00	1
Iron	47000		50	17	ug/L		08/11/15 13:33	08/12/15 00:00	1
Magnesium	27000		500	33	ug/L		08/11/15 13:33	08/12/15 00:00	1
Potassium	15000		1000	17	ug/L		08/11/15 13:33	08/12/15 00:00	1
Sodium	32000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:00	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	3200	J	200	24	ug/L		08/11/15 12:52	08/11/15 21:36	1
Calcium, Dissolved	59000		500	25	ug/L		08/11/15 12:52	08/11/15 21:36	1
Iron, Dissolved	2000	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:36	1
Potassium, Dissolved	3900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:36	1
Magnesium, Dissolved	7800		500	33	ug/L		08/11/15 12:52	08/11/15 21:36	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:36	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	430		3.3	3.3	mg/L			08/12/15 00:00	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:40	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:22	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01	~~HF~~ J			SU			08/12/15 07:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	96		5.0	5.0	mg/L			08/12/15 07:16	1
Total Suspended Solids	3000		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	340		10	10	mg/L			08/11/15 14:33	1

DFB 8/12/15

Client Sample ID: SJME-080915-12
Date Collected: 08/09/15 16:35
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-12
Matrix: Water

valquant

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	58000		200	24	ug/L		08/11/15 13:33	08/12/15 00:04	1
Calcium	130000		500	25	ug/L		08/11/15 13:33	08/12/15 00:04	1
Iron	46000		50	17	ug/L		08/11/15 13:33	08/12/15 00:04	1
Magnesium	27000		500	33	ug/L		08/11/15 13:33	08/12/15 00:04	1
Potassium	15000		1000	17	ug/L		08/11/15 13:33	08/12/15 00:04	1
Sodium	33000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:04	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	5700	J	200	24	ug/L		08/11/15 12:52	08/11/15 21:41	1
Calcium, Dissolved	61000		500	25	ug/L		08/11/15 12:52	08/11/15 21:41	1
Iron, Dissolved	3500	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:41	1
Potassium, Dissolved	4500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:41	1
Magnesium, Dissolved	8500		500	33	ug/L		08/11/15 12:52	08/11/15 21:41	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:41	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	440		3.3	3.3	mg/L			08/12/15 00:04	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:18	08/11/15 19:43	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:25	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08	HF J			SU			08/12/15 07:23	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	91		5.0	5.0	mg/L			08/12/15 07:23	1
Total Suspended Solids	2900		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	330		10	10	mg/L			08/11/15 14:33	1

DRC 8/12/15

Client Sample ID: SJBB-080915-11

Date Collected: 08/09/15 18:25
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U F1 UJ	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:05	1
Arsenic	**9.2**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:05	1
Barium	**720**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:05	1
Beryllium	**3.1**		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:05	1
Cadmium	**0.12**	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 11:00	2
Chromium	**27**		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:05	1
Cobalt	**22**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:05	1
Copper	**51**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:05	1
Lead	**40**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:05	1
Manganese	**1200**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:05	1
Nickel	**32**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:05	1
Selenium	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:05	1
Silver	**0.20**	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:05	1
Thallium	**0.57**		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:05	1
Vanadium	**68**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:05	1
Zinc	**150**	F1 J-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:05	1
Molybdenum	**1.5**	F1 J-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:05	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 21:39	1
Arsenic, Dissolved	**1.1**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 21:39	1
Barium, Dissolved	**74**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 21:39	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 21:39	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 21:39	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 21:39	1
Cobalt, Dissolved	**0.13**	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 21:39	1
Copper, Dissolved	**2.3**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 21:39	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 21:39	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 21:39	1
Molybdenum, Dissolved	**2.1**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 21:39	1
Nickel, Dissolved	**1.2**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 21:39	1
Selenium, Dissolved	**0.86**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 21:39	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 21:39	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 21:39	1
Vanadium, Dissolved	**2.8**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 21:39	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 21:39	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJMH-080915-11

Date Collected: 08/09/15 19:05
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-2

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U UJ	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:22	1
Arsenic	**21**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:22	1
Barium	**2300**		10	0.70	ug/L		08/11/15 12:52	08/12/15 10:56	5
Beryllium	**8.1**		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:22	1
Cadmium	0.22	U	0.50	0.22	ug/L		08/11/15 12:52	08/12/15 10:56	5
Chromium	**70**		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:22	1
Cobalt	**55**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:22	1
Copper	**87**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:22	1
Lead	**85**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:22	1
Manganese	**3400**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:22	1
Nickel	**110**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:22	1
Selenium	**5.2**	J	10	2.9	ug/L		08/11/15 12:52	08/12/15 10:56	5
Silver	**0.39**	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:22	1
Thallium	**1.4**		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:22	1
Vanadium	**160**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:22	1
Zinc	**290**	J-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:22	1
Molybdenum	**1.7**	J-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:22	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:03	1
Arsenic, Dissolved	**2.0**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:03	1
Barium, Dissolved	**130**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:03	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:03	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:03	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:03	1
Cobalt, Dissolved	**0.31**	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:03	1
Copper, Dissolved	**2.8**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:03	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:03	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:03	1
Molybdenum, Dissolved	**2.4**	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:03	1
Nickel, Dissolved	**1.4**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:03	1
Selenium, Dissolved	**0.92**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:03	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:03	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:03	1
Vanadium, Dissolved	**7.9**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:03	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:03	1

DRB 8/12/15

TestAmerica Savannah

Client Sample ID: SJMC-080915-11

Date Collected: 08/09/15 17:50
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-3

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:26	1
Arsenic	**8.9**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:26	1
Barium	**600**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:26	1
Beryllium	**2.6**		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:26	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:38	2
Chromium	**25**		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:26	1
Cobalt	**19**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:26	1
Copper	**44**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:26	1
Lead	**33**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:26	1
Manganese	**940**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:26	1
Nickel	**26**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:26	1
Selenium	**0.84**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:26	1
Silver	**0.19**	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:26	1
Thallium	**0.49**		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:26	1
Vanadium	**60**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:26	1
Zinc	**130**		20	2.8	ug/L		08/11/15 12:52	08/11/15 23:26	1
Molybdenum	**1.5**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:26	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:16	1
Arsenic, Dissolved	**0.86**	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:16	1
Barium, Dissolved	**77**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:16	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:16	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:16	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:16	1
Cobalt, Dissolved	**0.13**	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:16	1
Copper, Dissolved	**2.0**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:16	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:16	1
Manganese, Dissolved	**1.2**	J	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:16	1
Molybdenum, Dissolved	**2.1**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:16	1
Nickel, Dissolved	**1.5**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:16	1
Selenium, Dissolved	**0.90**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:16	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:16	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:16	1
Vanadium, Dissolved	**2.6**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:16	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:16	1

TestAmerica Savannah

Client Sample ID: SJDS-080915-11

Date Collected: 08/09/15 13:15
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-4

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U UJ	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:30	1
Arsenic	**9.4**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:30	1
Barium	**490**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:30	1
Beryllium	**1.8**		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:30	1
Cadmium	**0.12**	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:42	2
Chromium	**18**		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:30	1
Cobalt	**13**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:30	1
Copper	**44**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:30	1
Lead	**96**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:30	1
Manganese	**700**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:30	1
Nickel	**17**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:30	1
Selenium	**1.1**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:30	1
Silver	**0.67**	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:30	1
Thallium	**0.35**		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:30	1
Vanadium	**43**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:30	1
Zinc	**130**	J-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:30	1
Molybdenum	**1.7**	J-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:30	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:20	1
Arsenic, Dissolved	**0.81**	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:20	1
Barium, Dissolved	**80**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:20	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:20	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:20	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:20	1
Cobalt, Dissolved	**0.54**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:20	1
Copper, Dissolved	**3.5**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:20	1
Lead, Dissolved	**3.5**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:20	1
Manganese, Dissolved	**32**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:20	1
Molybdenum, Dissolved	**1.7**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:20	1
Nickel, Dissolved	**1.5**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:20	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:20	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:20	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:20	1
Vanadium, Dissolved	**2.8**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:20	1
Zinc, Dissolved	**7.0**	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:20	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJSR-080915-11

Date Collected: 08/09/15 12:35
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:34	1
Arsenic	**9.9**		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:34	1
Barium	**630**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:34	1
Beryllium	**2.5**		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:34	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:46	2
Chromium	**22**		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:34	1
Cobalt	**18**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:34	1
Copper	**50**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:34	1
Lead	**70**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:34	1
Manganese	**860**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:34	1
Nickel	**22**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:34	1
Selenium	**0.60**	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:34	1
Silver	**0.44**	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:34	1
Thallium	**0.46**		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:34	1
Vanadium	**57**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:34	1
Zinc	**150**		20	2.8	ug/L		08/11/15 12:52	08/11/15 23:34	1
Molybdenum	**1.3**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:34	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:24	1
Arsenic, Dissolved	**0.80**	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:24	1
Barium, Dissolved	**81**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:24	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:24	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:24	1
Chromium, Dissolved	**1.2**	J	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:24	1
Cobalt, Dissolved	**0.67**		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:24	1
Copper, Dissolved	**4.0**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:24	1
Lead, Dissolved	**2.7**		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:24	1
Manganese, Dissolved	**32**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:24	1
Molybdenum, Dissolved	**1.5**	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:24	1
Nickel, Dissolved	**1.8**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:24	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:24	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:24	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:24	1
Vanadium, Dissolved	**3.4**		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:24	1
Zinc, Dissolved	**6.7**	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:24	1

TestAmerica Savannah

Client Sample ID: SJ4C-080915-11

Date Collected: 08/09/15 15:31
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-6

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:39	1
Arsenic	13		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:39	1
Barium	540		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:39	1
Beryllium	2.0		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:39	1
Cadmium	0.11	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:50	2
Chromium	18		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:39	1
Cobalt	14		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:39	1
Copper	62		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:39	1
Lead	180		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:39	1
Manganese	740		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:39	1
Nickel	20		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:39	1
Selenium	0.98	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:39	1
Silver	1.3		1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:39	1
Thallium	0.40		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:39	1
Vanadium	50		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:39	1
Zinc	160	J-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:39	1
Molybdenum	2.8	J-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:39	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:28	1
Arsenic, Dissolved	0.56	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:28	1
Barium, Dissolved	76		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:28	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:28	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:28	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:28	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:28	1
Copper, Dissolved	1.7		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:28	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:28	1
Manganese, Dissolved	4.3		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:28	1
Molybdenum, Dissolved	1.9		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:28	1
Nickel, Dissolved	1.0		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:28	1
Selenium, Dissolved	1.0	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:28	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:28	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:28	1
Vanadium, Dissolved	1.0		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:28	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:28	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: SJFP-080915-11

Date Collected: 08/09/15 10:15
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 13:06	08/11/15 23:43	1
Arsenic	**5.1**		1.0	0.37	ug/L		08/11/15 13:06	08/11/15 23:43	1
Barium	**340**		2.0	0.14	ug/L		08/11/15 13:06	08/11/15 23:43	1
Beryllium	**1.4**		0.40	0.15	ug/L		08/11/15 13:06	08/11/15 23:43	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 13:06	08/12/15 09:54	2
Chromium	**17**		2.0	1.0	ug/L		08/11/15 13:06	08/11/15 23:43	1
Cobalt	**10**		0.40	0.12	ug/L		08/11/15 13:06	08/11/15 23:43	1
Copper	**32**		1.0	0.50	ug/L		08/11/15 13:06	08/11/15 23:43	1
Lead	**47**		0.30	0.060	ug/L		08/11/15 13:06	08/11/15 23:43	1
Manganese	**500**		2.5	1.2	ug/L		08/11/15 13:06	08/11/15 23:43	1
Nickel	**15**		1.0	0.40	ug/L		08/11/15 13:06	08/11/15 23:43	1
Selenium	**0.92**	**J**	2.0	0.58	ug/L		08/11/15 13:06	08/11/15 23:43	1
Silver	**0.31**	**J**	1.0	0.10	ug/L		08/11/15 13:06	08/11/15 23:43	1
Thallium	**0.26**		0.20	0.10	ug/L		08/11/15 13:06	08/11/15 23:43	1
Vanadium	**31**		1.0	0.30	ug/L		08/11/15 13:06	08/11/15 23:43	1
Zinc	**94**		20	2.8	ug/L		08/11/15 13:06	08/11/15 23:43	1
Molybdenum	**1.4**		1.0	0.45	ug/L		08/11/15 13:06	08/11/15 23:43	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:32	1
Arsenic, Dissolved	**0.41**	**J**	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:32	1
Barium, Dissolved	**68**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:32	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:32	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:32	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:32	1
Cobalt, Dissolved	**0.12**	**J**	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:32	1
Copper, Dissolved	**1.5**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:32	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:32	1
Manganese, Dissolved	**4.1**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:32	1
Molybdenum, Dissolved	**1.5**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:32	1
Nickel, Dissolved	**1.2**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:32	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:32	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:32	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:32	1
Vanadium, Dissolved	**0.81**	**J**	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:32	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:32	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJHB-080915-11
Date Collected: 08/09/15 11:31
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-8
Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 13:06	08/11/15 23:55	1
Arsenic	6.2		1.0	0.37	ug/L		08/11/15 13:06	08/11/15 23:55	1
Barium	520		2.0	0.14	ug/L		08/11/15 13:06	08/11/15 23:55	1
Beryllium	2.4		0.40	0.15	ug/L		08/11/15 13:06	08/11/15 23:55	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 13:06	08/12/15 09:58	2
Chromium	22		2.0	1.0	ug/L		08/11/15 13:06	08/11/15 23:55	1
Cobalt	17		0.40	0.12	ug/L		08/11/15 13:06	08/11/15 23:55	1
Copper	42		1.0	0.50	ug/L		08/11/15 13:06	08/11/15 23:55	1
Lead	57		0.30	0.060	ug/L		08/11/15 13:06	08/11/15 23:55	1
Manganese	990		2.5	1.2	ug/L		08/11/15 13:06	08/11/15 23:55	1
Nickel	22		1.0	0.40	ug/L		08/11/15 13:06	08/11/15 23:55	1
Selenium	0.58	U	2.0	0.58	ug/L		08/11/15 13:06	08/11/15 23:55	1
Silver	0.38	J	1.0	0.10	ug/L		08/11/15 13:06	08/11/15 23:55	1
Thallium	0.38		0.20	0.10	ug/L		08/11/15 13:06	08/11/15 23:55	1
Vanadium	42		1.0	0.30	ug/L		08/11/15 13:06	08/11/15 23:55	1
Zinc	130		20	2.8	ug/L		08/11/15 13:06	08/11/15 23:55	1
Molybdenum	1.1		1.0	0.45	ug/L		08/11/15 13:06	08/11/15 23:55	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:36	1
Arsenic, Dissolved	0.39	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:36	1
Barium, Dissolved	70		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:36	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:36	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:36	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:36	1
Cobalt, Dissolved	0.20	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:36	1
Copper, Dissolved	1.8		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:36	1
Lead, Dissolved	0.36		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:36	1
Manganese, Dissolved	6.1		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:36	1
Molybdenum, Dissolved	1.5	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:36	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:36	1
Selenium, Dissolved	0.70	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:36	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:36	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:36	1
Vanadium, Dissolved	1.3		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:36	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:36	1

TestAmerica Savannah

Client Sample ID: SJLP-080915-11

Date Collected: 08/09/15 09:54
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U F1 UJ	1.0	0.40	ug/L		08/11/15 13:33	08/12/15 02:34	1
Arsenic	**6.3**		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 02:34	1
Barium	**520**		2.0	0.14	ug/L		08/11/15 13:33	08/12/15 02:34	1
Beryllium	**1.8**		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 02:34	1
Cadmium	**0.19**		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 02:34	1
Chromium	**16**		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 02:34	1
Cobalt	**13**		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 02:34	1
Copper	**33**		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 02:34	1
Lead	**48**		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 02:34	1
Manganese	**830**		2.5	1.2	ug/L		08/11/15 13:33	08/12/15 02:34	1
Nickel	**17**		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 02:34	1
Selenium	~~1.0 J B~~ 2.04		2.0	0.58	ug/L		08/11/15 13:33	08/12/15 02:34	1
Silver	**0.30**	**J**	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 02:34	1
Thallium	**0.28**		0.20	0.10	ug/L		08/11/15 13:33	08/12/15 02:34	1
Vanadium	**34**		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 02:34	1
Zinc	**110**	**F1** J-	20	2.8	ug/L		08/11/15 13:33	08/12/15 02:34	1
Molybdenum	**1.3**		1.0	0.45	ug/L		08/11/15 13:33	08/12/15 02:34	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:40	1
Arsenic, Dissolved	**0.42**	**J**	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:40	1
Barium, Dissolved	**72**		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:40	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:40	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:40	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:40	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:40	1
Copper, Dissolved	**1.7**		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:40	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:40	1
Manganese, Dissolved	**5.1**		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:40	1
Molybdenum, Dissolved	**1.4**		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:40	1
Nickel, Dissolved	**1.2**		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:40	1
Selenium, Dissolved	**0.87**	**J**	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:40	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:40	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:40	1
Vanadium, Dissolved	**0.84**	**J**	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:40	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:40	1

DFB 8/12/15

TestAmerica Savannah

Client Sample ID: MECT-080915-11
Date Collected: 08/09/15 14:05
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-10
Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 13:33	08/12/15 02:59	1
Arsenic	4.1		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 02:59	1
Barium	180		2.0	0.14	ug/L		08/11/15 13:33	08/12/15 02:59	1
Beryllium	0.53		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 02:59	1
Cadmium	0.13		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 02:59	1
Chromium	5.9		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 02:59	1
Cobalt	3.6		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 02:59	1
Copper	9.6		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 02:59	1
Lead	7.9		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 02:59	1
Manganese	360		2.5	1.2	ug/L		08/11/15 13:33	08/12/15 02:59	1
Nickel	9.8		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 02:59	1
Selenium	2.0	B U	2.0	0.58	ug/L		08/11/15 13:33	08/12/15 02:59	1
Silver	0.10	U	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 02:59	1
Thallium	0.16	J	0.20	0.10	ug/L		08/11/15 13:33	08/12/15 02:59	1
Vanadium	17		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 02:59	1
Zinc	29	J-	20	2.8	ug/L		08/11/15 13:33	08/12/15 02:59	1
Molybdenum	3.1		1.0	0.45	ug/L		08/11/15 13:33	08/12/15 02:59	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:44	1
Arsenic, Dissolved	1.3		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:44	1
Barium, Dissolved	85		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:44	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:44	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:44	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:44	1
Cobalt, Dissolved	0.50		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:44	1
Copper, Dissolved	2.6		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:44	1
Lead, Dissolved	0.072	J	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:44	1
Manganese, Dissolved	4.2		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:44	1
Molybdenum, Dissolved	3.0		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:44	1
Nickel, Dissolved	3.4		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:44	1
Selenium, Dissolved	1.3	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:44	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:44	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:44	1
Vanadium, Dissolved	2.5		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:44	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:44	1

DFB 8/12/15

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJME-080915-11
Date Collected: 08/09/15 16:35
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-11
Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:12	1
Arsenic	11		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 03:12	1
Barium	860		2.0	0.14	ug/L		08/11/15 13:33	08/12/15 03:12	1
Beryllium	3.7		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 03:12	1
Cadmium	0.34		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 03:12	1
Chromium	28		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 03:12	1
Cobalt	23		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 03:12	1
Copper	54		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 03:12	1
Lead	46		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 03:12	1
Manganese	1200		2.5	1.2	ug/L		08/11/15 13:33	08/12/15 03:12	1
Nickel	36		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:12	1
Selenium	~~11 JB~~ 2.04		2.0	0.58	ug/L		08/11/15 13:33	08/12/15 03:12	1
Silver	0.26	J	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 03:12	1
Thallium	0.71		0.20	0.10	ug/L		08/11/15 13:33	08/12/15 03:12	1
Vanadium	70		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 03:12	1
Zinc	160	J-	20	2.8	ug/L		08/11/15 13:33	08/12/15 03:12	1
Molybdenum	1.7	J	1.0	0.45	ug/L		08/11/15 13:33	08/12/15 03:12	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:49	1
Arsenic, Dissolved	1.1		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:49	1
Barium, Dissolved	97		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:49	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:49	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:49	1
Chromium, Dissolved	2.5		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:49	1
Cobalt, Dissolved	0.87		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:49	1
Copper, Dissolved	3.9		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:49	1
Lead, Dissolved	1.5		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:49	1
Manganese, Dissolved	34		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:49	1
Molybdenum, Dissolved	2.1	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:49	1
Nickel, Dissolved	2.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:49	1
Selenium, Dissolved	0.98	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:49	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:49	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:49	1
Vanadium, Dissolved	5.9		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:49	1
Zinc, Dissolved	7.1	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:49	1

DRB 8/12/15

TestAmerica Savannah

Client Sample ID: SJME-080915-12

Date Collected: 08/09/15 16:35
Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U UJ	1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:16	1
Arsenic	10		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 03:16	1
Barium	880		2.0	0.14	ug/L		08/11/15 13:33	08/12/15 03:16	1
Beryllium	3.7		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 03:16	1
Cadmium	0.33		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 03:16	1
Chromium	28		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 03:16	1
Cobalt	24		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 03:16	1
Copper	55		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 03:16	1
Lead	46		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 03:16	1
Manganese	1300		2.5	1.2	ug/L		08/11/15 13:33	08/12/15 03:16	1
Nickel	37		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:16	1
Selenium	0.63	J B 2.0U	2.0	0.58	ug/L		08/11/15 13:33	08/12/15 03:16	1
Silver	0.27	J	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 03:16	1
Thallium	0.68		0.20	0.10	ug/L		08/11/15 13:33	08/12/15 03:16	1
Vanadium	66		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 03:16	1
Zinc	160	J- J	20	2.8	ug/L		08/11/15 13:33	08/12/15 03:16	1
Molybdenum	1.4		1.0	0.45	ug/L		08/11/15 13:33	08/12/15 03:16	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:53	1
Arsenic, Dissolved	1.0		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:53	1
Barium, Dissolved	120		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:53	1
Beryllium, Dissolved	0.26	J	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:53	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:53	1
Chromium, Dissolved	5.0		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:53	1
Cobalt, Dissolved	1.6		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:53	1
Copper, Dissolved	5.1		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:53	1
Lead, Dissolved	2.9		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:53	1
Manganese, Dissolved	67		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:53	1
Molybdenum, Dissolved	2.0	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:53	1
Nickel, Dissolved	3.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:53	1
Selenium, Dissolved	0.84	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:53	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:53	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:53	1
Vanadium, Dissolved	9.6		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:53	1
Zinc, Dissolved	12	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:53	1

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